

WHAT IS CLAIMED IS:

1. A method for creating a user interface for a standard application in the window of a browser that runs on a personal computer workstation of a computer network whereby the standard application runs on a server connected to the computer network and at least one user works with the standard application from the personal computer workstation over the computer network wherein the standard application can be serviced by means of a user interface and work results from the standard application can be returned through the output fields of the user interface; said method comprising:

presenting separate components of the user interface of the standard application in the browser of the personal computer workstation, by converting the state and the function of the separate components into standard code that can be interpreted by the browser and transferring to the standard application in the requested format the data entered by the user and returned by the browser.

2. The method of claim 1 wherein the components include list boxes, input fields and/or output fields.

3. The method of claim 1 further comprising:  
 interpreting as graphic the components not recognized;  
 presenting in the browser window the information for drawing the corresponding graphical components; and  
 returning to the server the information about the user input corresponding to the graphical components.

4. The method of claim 1 wherein the standard code comprises HTML code.

5. The method of claim 1 wherein the standard code comprises XML code.

6. The method of claim 1 wherein along with the coordinates of the components on the user interface of the standard application also their size, color, and in the case of text components also the type face and font size are investigated and transferred to the browser.

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7. The method of claim 1 further comprising:  
investigating the coordinates of the position of every component on the user interface;  
and  
on the basis of these coordinates drawing the components in the browser in a manner  
5 that is identical or similar to their positioning on the user interface of the standard application.
8. The method of claim 1 further comprising:  
investigating the components of the user interface and their positioning on a copy of  
the user interface of the standard application; and  
generating code that is needed in order to draw in the browser such components that  
5 are identical or similar to the investigated components.
9. The method of claim 1 wherein the data returned by the browser are assigned  
to the corresponding components.
10. The method of claim 1 wherein the assignment of the data to the components  
is done by operating system routines.
11. The method of claim 1 wherein the server runs management software, which  
– on request by the user through the browser – starts a desired standard application from  
among the standard applications available on the server and organizes and manages the  
transfer between the server and the personal computer workstation.
12. The method of claim 1 wherein the server has management software installed,  
which can be called by other servers either directly or through a suitable interface as for  
instance a library (ISAPI) or a program that can run independently (CGI) and which makes  
available the server functions with application character.
13. The method of claim 11 wherein the management software checks the access  
rights of the users when it processes the incoming requests.

14. The method of claim 11 wherein in order to build a network capability when several requests for a standard application have to be processed, the management software starts once the standard application for each request.

15. The method of claim 11 wherein the code generated contains script routines that can be interpreted by the browser.

16. The method of claim 15 wherein the script routines are Java-Script routines.

17. The method of claim 1 wherein the site to be presented in the browser by the software module is generated according to the CSS standard.

18. A computer readable medium having program code instructions for performing a method of creating a user interface for a standard application in the window of a browser that runs on a personal computer workstation of a computer network whereby the standard application runs on a server connected to the computer network and at least one user works  
5 with the standard application from the personal computer workstation over the computer network wherein the standard application can be serviced by means of a user interface and work results from the standard application can be returned through the output fields of the user interface; said method comprising:

presenting separate components of the user interface of the standard application in the  
10 browser of the personal computer workstation, by converting the state and the function of the separate components into standard code that can be interpreted by the browser and transferring to the standard application in the requested format the data entered by the user and returned by the browser.

19. The computer readable medium of claim 18 wherein the program code instructions further include those instruction associated with the standard application.

20. The computer readable medium of claim 18 wherein the program code instructions further include those instruction associated with a server management software.

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21. A data processing network comprising:  
at least one workstation having a browser installed;

at least one server connected to the workstation, the server adapted to run a standard application wherein the standard application can be serviced by means of a user interface and work results from the standard application can be returned through the output fields of the user interface, the standard application having a software module integrated therein, the software module adapted to present separate components of the user interface of the standard application in the browser of the personal computer workstation by converting the state and the function of the separate components into standard code that can be interpreted by the browser and transfer to the standard application in the requested format the data entered by the user and returned by the browser.

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